

Suggested Format and Technical Content of Shipper/Receiver Agreements

I. Purpose

A. Shipment to be covered by agreement.

1. Identity of shipper and receiver
2. Description of material to be shipped
 - a. Material form - compound, metal, etc.
 - b. Physical characteristics of shipment:
homogeneous, scrap, an assembly, etc.
3. Category of shipment, by item and total shipment.
4. Timetable of shipments & provision for periodic review.

B. Why shipper/receiver agreement is needed.

1. Material is hard to measure.
(also includes case where material cannot be measured by shipper but may be measured by receiver)
- or 2. Accountability measurements can or will not be performed by receiver and why - assemblies, scrap for storage only, etc.
- or 3. Accountability measurements will be performed but may be late due to events beyond receiver's reasonable control.
- or 4. Material will have to be processed (and batch identity of shipment may not be preserved) before resolution of any S/R differences.
- or 5. Other

II. Shipper's Transfer Documents

A. General information on shipment to be provided.

1. Number of items, containers and serial numbers of each
2. TID Serial Numbers
3. Weights, gross and net
4. Isotopic data, if available
5. Total U in container, if available
6. Limits of error on measurements

B. Special arrangements, if any, to provide 741, shipper documents.

III. Shippers Measurements

- A. Accountability measurements, if performed - what assures integrity of item and its accounting value.
- B. Confirmatory measurements performed.
 - 1. Weight, gross or net
 - 2. NDA, gamma or neutron
 - 3. Limits of error - basis for
- C. Percent measured.

IV. Receiver's Measurements

- A. Accountability measurements, if performed.
- B. Confirmatory Measurements.
 - 1. Mass, gross or net weight
 - 2. NDA method, description, comparability with shipper measurement, results obtained - if gamma, enrichment, detection of SNM presence, etc.
 - 3. Limits of error - basis or how determined
- C. Percent measured.

V. Acceptance/Rejection Criteria

- A. Weight
- B. NDA
- C. Other

VI. Response to Discrepancies

- A. Type of discrepancy.
- B. Actions to be taken.
 - 1. Return of shipment
 - 2. Hold in isolation
 - 3. Additional security provided
 - 4. Additional measurements to be performed
 - 5. Retention of samples

C. Reporting Requirements.

D. Resolution

1. Use of referee
2. Acceptance of other values
3. Investigation

VII. Acceptance of shipper/receiver values (if applicable and decision made prior to shipment)

A. Shipper's acceptance of receiver's values and why.

B. Receiver's acceptance of shipper's values and why.